DATA SHEET

Asset Tag AT-320

Lightweight active RFID tag
for Wi-Fi based asset tracking
solutions and Real-Time Location
Services (RTLS)

The AT-320 asset tag is a small, lightweight, power-efficient Wi-Fi enabled active RFID tag that can be attached to high-value assets or carried by people for real-time location tracking in Wi-Fi environments. The AT-320 asset tag is a key component of Trapeze Real-Time Location services (RTLS) solution which includes Active Asset™ and the LA-200 Location Appliance™. Together, these components make up the most accurate and precise Wi-Fi based location tracking on the market today.

Active Asset™

Active Asset is a real-time asset tracking and management application for asset monitoring, mapping, lifecycle management and reporting.

LA-200 Location Appliance™

The LA-200 is the industry's first and only infra-structure-agnostic wireless location appliance.

Key Features and Benefits

Compact Size – The small size (2.5" x 1.6" x 0.8", 65mm x 41mm x 18mm) and light weight of the AT-320 tag allows it to be affixed to a variety of asset types, including medical devices, manufacturing equipment, IT equipment, containers, vehicles and cards. Because of its small size and light weight form factor, it can also be easily worn or carried by people.

Long Battery Life – AT-320 uses a single, commercially available CR123A battery. An advanced power management design ensures that the tag maximizes battery life under a variety of transmission and usage scenarios. The tag transmits low battery alerts to enable timely and efficient replacement.

Alert Button – Pressing the AT-320 alert button sends configurable alerts to users of the asset tracking solution such as Active Asset.

Motion Sensor – The AT-320's built-in motion sensor enables the tags to send motion status to the users of the tracking system.

Temperature Sensor – Sensors can monitor goods within a fraction of a degree to identify improperly stored items before damage occurs.

Multiple Mounting Options – The AT-320 can be affixed to assets using a variety of mounting options including adhesive tape, Velcro, tie wrap or other custom mounting devices.

Wearable Form Factor – The AT-320 is small and light enough to be worn on an arm/wrist band.

Detachment Sensor – To prevent people tampering with the AT-320, alerts can be triggered if the tag is detached from its mounting plate.

Ruggedized Packaging – The AT-320 is designed to handle both indoor and outdoor environments and is dust and weather (heat, cold, humidity) resistant.

AT-320 Asset Tag (continued)

Best-In-Class Wi-Fi Tag Functionality

AT-320 asset tags are fully compliant with IEEE 802.11 wireless standards, built to support best-practice RFID and wireless network management policies recommended by the leading enterprise wireless LAN (WLAN) and RFID infrastructure providers. AT-320s are easily deployable in enterprise WLAN and RFID environments from any vendor.

Breakthrough Wi-Fi Tag Battery Life

The AT-320 utilizes an advanced active/passive RFID System-on-Chip (SoC) designed specifically to support ultra-low power operation of Wi-Fi – based RFID tags. At a default reporting interval the battery life of the tag is approximately 2 years. Configuring the tag with longer reporting intervals can extend the battery life to over 5 years.

Full Over-the-Air Configuration

All the attributes of the AT-320 are user configurable over-the-air, including network connectivity settings, reporting intervals, and 802.11 scanning properties. Over-the-air firmware updates ensure that the AT-320 can be enhanced with additional capabilities while deployed in production environments. The intuitive tag-to-asset interface allows authorized users to associate tags with important asset information such as manufacturer, department owner, serial number, and other asset specific data.

Higheset Tracking Accuracy

AT-320 asset tags combined with the Trapeze RTLS solution deliver accurate and reliable location tracking (within 3 meters) by leveraging existing WLAN infrastructure. Organizations using the AT-320 reduce their TCO without having to deploy expensive proprietary non 802.11 signposts and chokepoints.

Certified for Global Use

The AT-320 is currently certified for use in the United States, Canada and Europe.

Ordering Information

Ordering Information	
AT-320	• Active 802.11b/g Asset Tag for Wi-Fi Based Asset Tracking Solutions
	• xx = NA - North America, EU - Europe, UK - United Kingdom, JP - Japan, AU - Australia
LA-200-xx	• Location Appliance with 2 x 10/100/1000Base-T ports, for Real-Time Location Services (RTLS)
LA-200-xx-PAK	• Asset Tracking Starter Pack Bundle: includes one LA-200-xx Location Appliance, 25 AT-320 Asset Tags, Active Asset application with 25 asset tracking licenses

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